

[illegible]

- 1        1.        A method comprising:
  - 2            receiving a downlink broadcast burst from a base station;
  - 3            determining timing for an uplink burst from the received broadcast burst;
  - 4            selecting an amount of delay for the uplink burst; and
  - 5            transmitting an uplink burst to the base station using the determined timing and
  - 6            the selected amount of delay.

1           3.       The method of Claim 2 wherein randomly selecting comprises generating  
2       a random number and applying the random number to select a random amount of delay.

1           5.       The method of Claim 1 wherein determining timing comprises  
2       determining nominal timing relative to a frame of the broadcast burst.

1           6.       The method of Claim 1 wherein determining timing comprises  
2       determining timing on a broadcast channel on which the broadcast burst was received.

1           7.       The method of Claim 1 further comprising:  
2           receiving a timing advance message from the base station in response to the  
3           uplink burst; and

4           advancing timing in accordance with the timing advance message reduced by the  
5           selected amount of delay.

1           8.       The method of Claim 1 wherein the bursts comprise symbols and wherein  
2           the selected amount of delay is between zero and nine symbol times.

1           9.       The method of Claim 1 wherein transmitting the uplink burst comprises  
2           transmitting the uplink burst with a training sequence.

1           10.      The method of Claim 9 wherein the bursts comprise symbols, wherein the  
2           training sequence comprises a repeating core sequence and wherein the selected amount  
3           of delay corresponds to a symbol time shorter than the symbol time of the core sequence.

1           11.      A machine-readable medium having stored thereon data representing  
2           sequences of instructions which, when executed by a machine, cause the machine to  
3           perform operations comprising:

4           receiving a downlink broadcast burst from a base station;

5           determining timing for an uplink burst from the received broadcast burst;

6           selecting an amount of delay for the uplink burst; and

7           transmitting an uplink burst to the base station using the determined timing and  
8           the selected amount of delay.

1           12.      The medium of Claim 11 wherein the instructions causing the machine to  
2           perform operations comprising selecting an amount of delay further comprise instructions  
3           for selecting a random amount of delay

1           13.      The medium of Claim 12 wherein the instructions causing the machine to  
2           perform operations comprising randomly selecting further comprise instructions for

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3 generating a random number and applying the random number to select a random amount  
4 of delay.

1 14. The medium of Claim 11 wherein the instructions causing the machine to  
2 perform operations comprising selecting an amount of delay further comprise instructions  
3 for determining a digit from an identification number of the user terminal and applying  
4 the determined digit to selecting from among a set of different amounts of delay.

1 15. The medium of Claim 11 wherein the instructions causing the machine to  
2 perform operations comprising determining timing further comprise instructions for  
3 determining timing on a broadcast channel on which the broadcast burst was received.

1 16. The medium of Claim 11 wherein the instructions further comprise  
2 instructions causing the machine to perform operations comprising:  
3 receiving a timing advance message from the base station in response to the  
4 uplink burst; and  
5 advancing timing in accordance with the timing advance message reduced by the  
6 selected amount of delay.

1 17. The medium of Claim 16 wherein the bursts comprise symbols, wherein  
2 the training sequence comprises a repeating core sequence and wherein the selected  
3 amount of delay corresponds to a symbol time shorter than the symbol time of the core  
4 sequence.

1 18. An apparatus comprising:  
2 a receiver to receive a downlink broadcast burst from a base station;  
3 a processor to determine timing for an uplink burst from the received broadcast  
4 burst and select an amount of delay for the uplink burst; and

5           a transmitter to transmit an uplink burst to the base station using the determined  
6   timing and the selected amount of delay.

1            19.     The apparatus of Claim 18 wherein the processor selects an amount of  
2     delay by selecting a random amount of delay

1           20.     The apparatus of Claim 19 wherein the processor selects a random amount  
2     of delay by generating a random number and applying the random number to select a  
3     random amount of delay.

21. The apparatus of Claim 18 further comprising a register containing an identification number of the apparatus and wherein the processor select an amount of by determining a digit from the register and applying the determined digit to selecting from among a set of different amounts of delay.

1            22.     The apparatus of Claim 18 wherein:  
2            the receiver receives a timing advance message from the base station in response  
3            to the uplink burst; and  
4            the processor advances timing in accordance with the timing advance message  
5            reduced by the selected amount of delay.

1           23.     The apparatus of Claim 18 wherein the bursts comprise symbols, wherein  
2     the training sequence comprises a repeating core sequence and wherein the selected  
3     amount of delay corresponds to a symbol time shorter than the symbol time of the core  
4     sequence.